BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANA PURA DIVISION

Name of Work: Construction of RCC Drain & RCC Culverts at 1st and 2nd Cross and surrounding area, Muneshwara Nagara in Ward No.05

ESTIMATE COST :77.00 Lakhs

Executive Engineer,
BYATARAYANAPURA DIVISION,

BRUHATH BENGALORE MAHANAGARA PALIKE

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Estimated Cost:77.00 Lkahs

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19)								
	Kattigenahalli								
	Muneshwara Nagara								
	For RCC Drain								
	1st cross	2	220.00	1.10	1.00	484.00			
	2nd cross	2	220.00	1.10	1.00	484.00			
						968.00	**Cum**	**220.40**	**213347.20**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Lead For Earth 10km	25.60							
	Area Weightage 6%	7.80							
	Data Rate	**220.40**							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 PWD SR 2018-19)								
	Kattigenahalli								
	Muneshwara Nagara								
	For RCC Drain								
	1st cross	2	220.00	1.10	0.15	72.60			
	2nd cross	2	220.00	1.10	0.15	72.60			
						145.20	**Cum**	**5509.33**	**799954.23**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 6%	311.85							
	Grand Total	**5509.33**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 PWD SR 2018-19)								
	Kattigenahalli								
	Muneshwara Nagara								
	For RCC Drain								
	Bottom Raft								
	1st cross	2	220.00	0.90	0.15	59.40			
	2nd cross	2	220.00	0.90	0.15	59.40			
	For Wall								
	1st cross	4	220.00	0.15	0.75	99.00			
	2nd cross	4	220.00	0.15	0.75	99.00			
						316.80	**Cum**	**7189.42**	**2277607.69**
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-28.8.2,P No-229 PWD SR 2018-19)								
	Consider 65kg/Cum for drain	1	316.80	65.00		20677.03			
						20.68	**Tonne**	**72326.98**	**1495507.14**
	Basic Rate	68233.00							
	Area Weightage 6%	4093.98							
	Data Rate	**72326.98**							
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.(Data Rate)								
	Muneshwara Nagara								
	For RCC Drain								
	1st cross	2	220.00	0.90		396.00			
	2nd cross	2	220.00	0.90		396.00			
						792.00	**Sqm**	**2337.00**	**1850904.00**
	Data Rate	**2337.00**							
								Total Construction Cost	**6637320.25**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								GST Charges 12%	796478.43
								KRIDL Charges 4%	265492.81
								Sub Total	7699291.50
								Utility Shifting,Miscellaneous and Rounding off	708.50
								GRAND TOTAL	7700000.00

Certificate

1) This Work Comes Within BBMP Limits.
2) Certified that personaly Inspected the Work Spot.
3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & issued rate Dated. 21/10/2019
4) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most econom
5) This work is not include in any other program of work.

Assistant Engineer
Ward No.05

Asst. Executive Engineer,
Byatarayanapura Sub division,

Executive Engineer,
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 77.00 lakhs only
Head of A/c. P3736
Div. Ref. No. 114/19-20 Date 16-3-2020
AE 16/03 EE(BTP) 16/03

Sanctioned for Rs. 77,00,000/-
SEVENTY SEVEN LAKH ONLY
Under P3736
Job Code No. 005-20-000076
Registered as SA(Y)/TS/ 52 / 19-20
to conditions contained in enclosed memo
No 52 / 19-20 Dated: 16/3/2020
AE/JE TA 16/3/2020